

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	2	"6680759".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 08:33
L9	2	("6766817").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:45
L10	2	"20040155931"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:48
L11	2	347/57-59.ccls. and record\$3 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:53
L12	14059	347/57-59.ccls. and (gap or pitch or spacing) same lead near electrode same dummy (lead or electrode) same ("0.75" to "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:55
L13	1	347/57-59.ccls. and (gap or pitch or spacing) same lead near electrode same dummy (lead or electrode) same ("0.75" adj to adj "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:01
L14	1419	347/63, "65".ccls. and (gap or pitch or spacing) same lead near electrode same dummy (lead or electrode) same ("0.75" adj to adj "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:01
L15	0	347/63,65.ccls. and (gap or pitch or spacing) same lead near electrode same dummy (lead or electrode) same ("0.75" adj to adj "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:02

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L16	3461120	347/63,65.ccls. and (gap or pitch or spacing) same lead near electrode same dummy (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:02
L17	0	347/63,65.ccls. and (gap or pitch or spacing) same lead near electrode same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:02
L18	1	347/57-59.ccls. and (gap or pitch or spacing) same lead near electrode same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:03
L19	0	347/208.ccls. and (gap or pitch or spacing) same lead near electrode same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:03
L20	1538	347/63,65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:03
L21	0	20 and record\$3 near element near substrate same dummy near (lead or electrode) same between	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:04
L22	0	20 and record\$3 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:07
L23	0	437/21.ccls. and record\$3 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:08

## EAST Search History

L24	0	257/734.ccls. and record\$3 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:08
L25	2	"347"/\$.ccls. and record\$3 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:10
L26	2	"347"/\$.ccls. and record\$4 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:10
L27	2	"347"/\$.ccls. and (record\$4 or discharge\$ or inkjet\$3) near head same record\$4 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:11
L28	0	347/50,54.ccls. and record\$4 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:13
L29	66783	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:45
L30	0	29 and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:48
L31	0	29 and (gap or spacing or pitch) same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:48

## EAST Search History

L32	1	29 and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:51
L33	1	toshihiro-mori.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:51
L34	833	mori-toshihiro.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:51
L35	0	34 and cannon.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:52
L36	129	34 and canon.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:46
L37	1	36 and dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:54
L38	1	canon.as. and record\$4 near element near substrate same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:50
L39	2	JP-2000187273-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:48

## EAST Search History

L40	10	canon.as. and (gap or pitch or spacing) same between same dummy near (lead or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 12:41
L41	1	record\$4 near element near substrate same dummy near (lead or electrode) same between same (adjacent)	US-PGPUB	OR	ON	2006/06/23 12:50
L42	0	record\$4 near element near substrate same dummy near (lead or electrode) same between same (adjacent).clm.	US-PGPUB	OR	ON	2006/06/23 12:50
L43	0	record\$4 near element near substrate same dummy near (lead or electrode) same between same (adjacent) same record\$4 near element near substrate.clm.	US-PGPUB	OR	ON	2006/06/23 12:51
L44	1	347/54,56-59.ccls. and record\$4 near element near substrate same dummy near (lead or electrode). clm.	US-PGPUB	OR	ON	2006/06/23 12:52
L45	0	347/63,65.ccls. and record\$4 near element near substrate same dummy near (lead or electrode). clm.	US-PGPUB	OR	ON	2006/06/23 12:52
L46	0	438/21.ccls. and record\$4 near element near substrate same dummy near (lead or electrode). clm.	US-PGPUB	OR	ON	2006/06/23 12:53
L47	0	257/734.ccls. and record\$4 near element near substrate same dummy near (lead or electrode). clm.	US-PGPUB	OR	ON	2006/06/23 12:54
L48	0	257/734.ccls. and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25").clm.	US-PGPUB	OR	ON	2006/06/23 12:55
L49	0	438/21.ccls. and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25").clm.	US-PGPUB	OR	ON	2006/06/23 12:55
L50	0	347/63,65.ccls. and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25").clm.	US-PGPUB	OR	ON	2006/06/23 12:56

## EAST Search History

L51	0	347/54,56-59.ccls. and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) same ("0.75" adj to adj "1.25").clm.	US-PGPUB	OR	ON	2006/06/23 12:56
L52	1	347/54,56-59.ccls. and (gap or spacing or pitch) same between same lead near electrode same dummy near (lead or electrode) . clm.	US-PGPUB	OR	ON	2006/06/23 13:27
L53	904	347/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:27
L54	593	347/50.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:27
L55	10	53 and 54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:28
L56	72	53 and print\$3 near head same (die or chip) same electrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:30
L57	11	56 and dummy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:29
L58	0	56 and dummy near (electrode or lead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:29

## EAST Search History

L59	30	54 and print\$3 near head same (die or chip) same electrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:30
L60	8	59 and dummy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:30
L61	1	55 and print\$3 near head same (die or chip) same electrical same dummy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 13:31
S1	1833	347/57-59,63,65,208.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/22 07:41
S4	257	438/21.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/21 10:32
S5	0	257/734+.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/21 10:32
S6	1066	257/734.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/21 10:33
S7	50	("4315135" "4259564" "4320428" "4360818" "4392166" "4488160" "4568948" "4825315" "4873622" "4881318" "4982201" "5557116" "5586385" "5754205" "5768068" "5922218" "6011769" "6015632" "6339444" "6659591" "6802597" "6820969" "6132545" "5774145" "6350556" "6351351" "5563445" "5683937" "5744859" "5880487" "4175288" "4581628" "5293503" "5408383" "5506401" "5555116" "5586388" "5586389" "5646827" "5657203" "5744862" "5786589" "5786239" "5982033" "5982468" "6084612" "6172732" "6767137" "6896393" "4158848").pn.	US-PGPUB; USPAT	OR	OFF	2005/12/22 07:41
S8	2610	"lead electrodes" " liquid jet recording head"	US-PGPUB; USPAT	OR	OFF	2005/12/23 14:08
S9	2781	S8 "dummy leads"	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:02
S10	10338	S9 "fpc"	US-PGPUB; USPAT	OR	OFF	2005/12/23 10:14

## EAST Search History

S13	10054	"fpc" "lead electrodes" " dummy lead"	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:05
S14	2488	"lead electrodes" " dummy lead"	US-PGPUB; USPAT	OR	OFF	2005/12/22 15:06
S15	6	("5608435"   "5751316"   "6076912"   "6186613"   "6241340"   "6257703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/22 15:08
S17	7883	"fpc" " liquid jet recording head"	US-PGPUB; USPAT	OR	OFF	2005/12/23 11:53
S18	11	"dummy electrodes" and "lead electrodes"	US-PGPUB; USPAT	OR	OFF	2005/12/27 16:35
S23	154	MORI-TOSHIHIRO	US-PGPUB; USPAT	OR	OFF	2005/12/27 16:36
S25	28898	inkjet printhead	US-PGPUB; USPAT	OR	OFF	2005/12/30 09:56
S26	190793	wafer	US-PGPUB; USPAT	OR	OFF	2005/12/30 09:57
S27	1383776	drive circuitry	US-PGPUB; USPAT	OR	OFF	2005/12/30 09:57
S28	1670917	liquid passage	US-PGPUB; USPAT	OR	OFF	2005/12/30 09:57
S29	3448	Silverbrook	US-PGPUB; USPAT	OR	OFF	2005/12/30 09:58
S30	843	S25 and S26 and S27 and S28 and S29	US-PGPUB; USPAT	OR	OFF	2005/12/30 10:10
S31	889	S26 and S27 and S28 and S29	US-PGPUB; USPAT	OR	OFF	2005/12/30 13:21
S32	3448	S30 and Kia Silverbrook	US-PGPUB; USPAT	OR	OFF	2005/12/30 10:00
S33	892	S26 and S27 and S28 and (Kia Silverbrook)	US-PGPUB; USPAT	OR	OFF	2005/12/30 10:11
S34	554	347/20.ccls.	US-PGPUB; USPAT	OR	OFF	2005/12/30 13:21